

OUTLOOK

University of Maryland at College Park

McKeldin Library
Archives & Manuscripts
CAMPUS

April 9, 1991

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Langenberg Appointed as New UM System Chancellor

Donald N. Langenberg, current chancellor of the University of Illinois at Chicago, has been named as the new chancellor of the University of Maryland System.

George V. McGowan, chair of the University of Maryland System Board of Regents, announced Langenberg's appointment March 29 at a Regents' meeting at Towson State University. The appointment is effective July 1, 1990.

"Dr. Langenberg is just the right person to lead the University of Maryland System as the institution enters a new phase in its evolution," said McGowan. "He is a scholar of the highest order, distinguishing himself in the fields of physics and electrical engineering."

"He is also a leader of national stature, well-respected and well-connected in academic circles. And he recognizes and respects the bond between the academy and the larger community."

As chancellor of the University of Illinois at Chicago since 1983, Langenberg leads a campus of some 24,000 students and more than 2,000 full-time faculty members. The institution awards degrees through the doctoral and first-professional levels and comprises schools

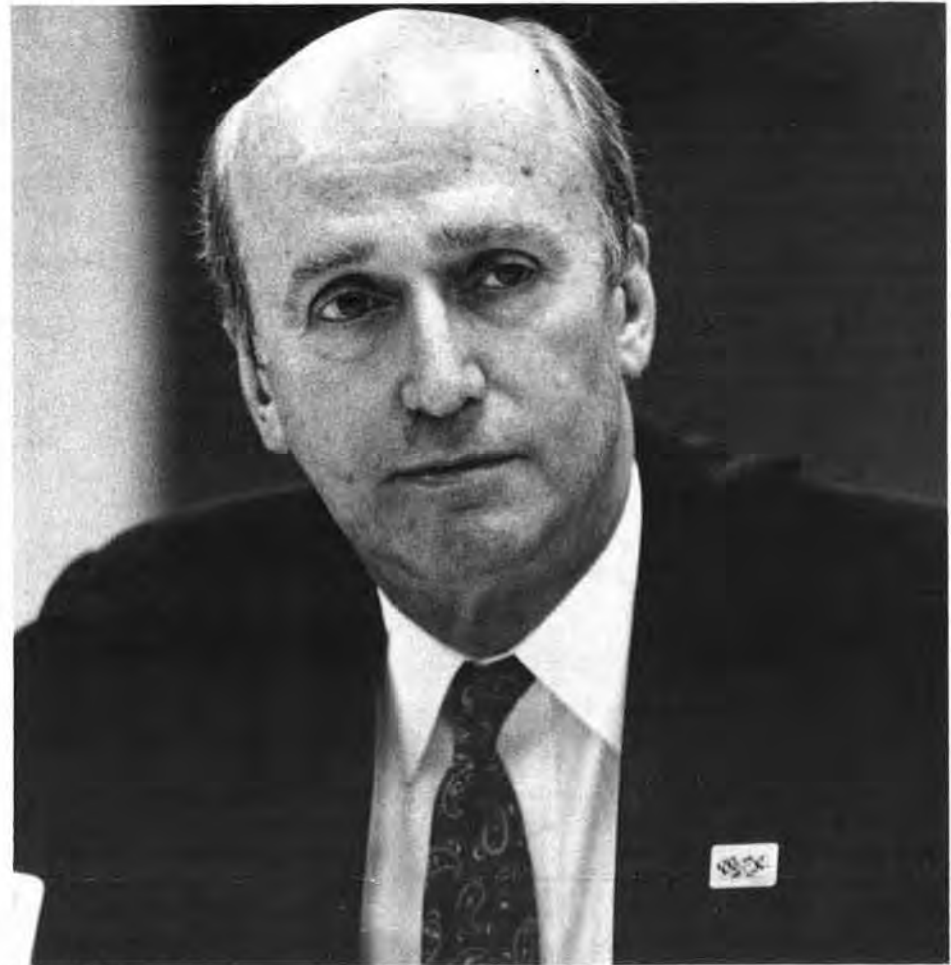
of dentistry, medicine, and pharmacy. Among its nationally recognized programs are those in engineering and philosophy.

Langenberg successfully led the administrative consolidation of the Chicago campus with the medical center, two locations separated by a mile of residential and business development. He also has encouraged the institution to develop partnerships with the city of Chicago, most notably with inner city schools.

Before joining the Chicago campus, Langenberg served as deputy director and acting director of the National Science Foundation from 1980 to 1982.

Prior to his tenure at the National Science Foundation, he served in various positions at the University of Pennsylvania. He joined Pennsylvania in 1960 as a faculty member in the Department of Physics and served as both a professor of physics and a professor of electrical engineering. He also was director of the Laboratory for Research on the Structure of Matter and vice provost for graduate studies and research.

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Donald N. Langenberg

SCOTT SUCHMAN

Opinion: Honoring a Pioneer

The following letter to the editor was written by Claude Kacser, Associate Professor Department of Physics and Astronomy (and one-time working member of the Ad Hoc Statistical Sub-committee). The original Outlook story was meant only to report on the honor accorded Marilyn Brown. However, we are indeed grateful for this commentary by Dr. Kacser. It brings well-deserved recognition for years of hard work by Barbara Bergmann and others.

Dear Editor:

I am pleased the Women's Commission recently honored Marilyn K. Brown for her many most significant contributions to women's issues at this University. *Outlook* in particular noted her leadership in instituting the Faculty Study Review in 1981 and continuing it since.

Yet I was distressed that, in the reporting and/or the Women's Commission's Citation, important earlier history and recognition of the role of others in the Faculty Study Reviews was missing.

Without wanting to take away from Marilyn Brown's many many contribu-

tions, I would have liked that Citation to have also acknowledged earlier contributors. The Commission, and we, must honor all our pioneers. And I would have liked *Outlook* to have done some research in its reporting.

One essential trailblazer for the Faculty Study Review was Professor Barbara Bergmann (then of Economics, now Distinguished Professor of Economics at American University).

She strove mightily, as did others, for many years prior to 1981, as a mere self-driven faculty member on the Women's Commission, the Senate Human Relations Committee and other Committees. Her insistent work was at last given recognition in the creation of, and her appointment to, the Chancellor's Ad Hoc Committee on Faculty Salary and Rank Equity; and its Ad Hoc Sub-committee on Statistical Analysis. [Both were set up by Chancellor Bishop, in a somewhat exploratory manner as responses to the mounting pressures, working in 1973-74,

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Library Officials Plan for Winter Move into McKeldin Addition

As workers put the finishing touches on the 103,000-square-foot addition to McKeldin Library, officials are preparing for the next phase of a plan to expand library space at College Park—a phase in which library users will find, despite completion of the new building, less work space available for at least 18 months.

When the addition opens in January 1991, the library system will suffer a temporary net loss of more than 40,000 square feet of space, according to officials. The loss will be most apparent in a reduction of seating space in the system. The amount of seating available in Hornbake and McKeldin libraries will drop from a total of 4090 seats to about 2,100 seats, says Donald Williams, manager of special projects for the system.

The loss will result from the closing of the current McKeldin Library building for a complete renovation. The renovation will take an estimated 18-24 months and begin after materials currently stored in McKeldin are moved into the addition

and the 24-hour study room at Hornbake Library. The move is scheduled to take place during the break between fall and winter semesters of 1990-91, says Joanne Harrar, director of libraries.

The unfortunate irony—a temporary loss space following completion of a new building—is the best solution to a Hobson's choice that officials face, Harrar says. The alternative to shutting down McKeldin during the renovation is to refurbish the building one or two floors at a time—an alternative that, while making more space available, would create safety problems and other headaches.

"This is the best way to proceed," Harrar says. "With any construction project there is noise, dirt and accidents. By closing the building we will keep people out of harm's way."

In addition, moving the entire collection at one time rather than in pieces is a more efficient use of staff time and, therefore, less costly, Harrar says. A total

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UMCP, Soong Ching Ling Foundation to Sponsor Conference on China

The University of Maryland at College Park and the Soong Ching Ling (Madam Sun Yat-Sen) Foundation are sponsoring a "A Symposium on China: Policy Options" at the Madison Hotel at 15th and M Streets in Washington, D.C. April 21. Topics addressed during the all-day conference include, "Where Do We Go from Here? A Chinese Analysis of the Present Situation and its Options," "China and the East and the West," and "Economic Options and the Outlook for U.S.-China Trade." For more information call, 454-3008.

Diana Lam to Speak at Anderson Lecture

Diana Lam, superintendent of the Chelsea Massachusetts Public School System, will be the guest speaker at the 18th annual Vernon E. Anderson Lecture on April 12 in the Adele Stamp Union Colony Ballroom. Lam's topic will be "The Chelsea Experiment: Fad or Future." Awards will be presented at 1 p.m. with the lecture following at 1:30 p.m. The Anderson Lecture, which is jointly sponsored by the Education Alumni Chapter and the faculty of the College of Education, annually honors former Dean Vernon E. Anderson. For more information call, 454-1442.

RESEARCH HIGHLIGHTS

"Hey, Move Over—In Front of Me, Please"

Competitive cyclists often use drafting (riding behind other cyclists) as a strategy to reduce wind resistance. But until recently, little information existed about how reduced wind resistance affected the energy expended by a drafting cyclist.

Steve McCole, a doctoral student in exercise physiology, and Jim Hagberg, a professor in the Center on Aging, were two of the principal writers that examined the effect drafting had on the volume of oxygen consumed in "Energy Expenditure During Bicycling" in *The Journal of Applied Physiology* (Feb., '90).

McCole, who is Hagberg's research assistant in the Center on Aging, first got involved with the project when he was a graduate student under Hagberg at the University of Florida. He then came to College Park when Hagberg came here in 1988.

"I'm not a cyclist," says McCole, who says this is his first published article. "Dr. Hagberg rides regularly, but I got involved and eventually began supervising the data collection process."

To perform their study, McCole and Hagberg had to collect and analyze the expired gasses of cyclists riding in different formations and compare the results with a single cyclist riding at 25 m.p.h.

Starting early in the mornings, to minimize wind conditions, they drove alongside cyclists in a truck equipped with bags, monitors and tubing attached to a fiberglass pole extended in front of a cyclist to collect his expired air.

The results of McCole's and Hagberg's collaboration revealed that energy expenditure decreased by about 27 percent when drafting up to four riders in a line and decreased further when riding in a pack of seven riders.

"The lowest expenditure of energy occurred behind a truck," says McCole. "Though still cycling at 25 m.p.h., the cyclists only had to pedal occasionally to



Jim Hagberg and Steve McCole

keep up with the truck. This is a training method for competitive cyclists and is not something the authors recommended for the recreational cyclist."

The energy expenditure study was funded by the United States Olympic Committee and is one of several projects McCole and Hagberg have been working on that deal with competitive cycling.

"We're talking with some professional racing teams with the hope that they will participate in more studies," says Hagberg.



One cyclist drafts behind another while researchers collect his expired air for analysis. The photo is from a slide exhibit McCole created for future presentations.

Next month, McCole and Hagberg are off to a race in New Jersey, perhaps to talk with racers about the results of their study, but more likely as spectators than researchers.

"This is more of a field trip," says McCole. "Besides, it's a lot easier to get to than the Tour de France." ■

—John Fritz

Distinguished Faculty Research Fellows Selected

At the winter meeting of the General Research Board, six faculty members were selected for 1990-91 Distinguished Faculty Research Fellowships.

They are: Anthony Ephremides, professor of electrical engineering; John A. Gerlt, professor of chemistry and biochemistry; Mark P. Leone, associate professor of anthropology; Arthur G. Miller, professor of art history; Andrew S. Wilson, professor of astronomy; and, Inder K. Vijay, professor of animal sciences.

The fellowships provide each recipient with a \$5,000 grant for incidental research expenses and frees them from teaching and service duties during the 1990-91 academic year. This is the second year the fellowships have been offered.

Anthony Ephremides will use the fellowship to investigate communication switching architectures and network management methods. He is looking toward a seamless communication fabric that will satisfy a demand for superior quality service in the field of communications.

John Gerlt and his graduate students and postdoctoral associates will use the

tools of molecular biology to assist their studies of reactions catalyzed by enzymes found in *Pseudomonas putida*, a common soil bacterium. Their work is important to advancing protein engineering and biotechnology.

Mark Leone is working on a volume to be titled, *An Archaeology of Capitalism in Annapolis*. He will report on his nine years of excavation and documentary work in the city's historic district. His answers are being derived from a huge archaeological collection of printer's type, careful mapping and excavation of gardens as well as analysis of excavations in Church and State Circles. Leone has also studied a vast collection of household refuse from more than ten excavation sites.

Arthur Miller will use his fellowship to examine the European conquest of the New World and how preconquest ideas and forms are transformed into post-conquest ones. He is looking particularly at the impact of European literacy on the Zapotec of south central Mexico.

"Contrary to commonly held notions, European literacy did not undermine native culture," Miller says. "Rather, it provided a new means of communica-

tion that could be adapted to both traditional and uniquely colonial needs."

Andrew Wilson will continue his research on active galactic nuclei such as quasars, radio galaxies and Seyfert galaxies. These objects are characterized by the radiation of very large amounts of power from very small volumes of space. Astronomers have difficulty understanding these objects because some of their characteristics appear to defy theories of general relativity and nuclear matter. Wilson will use large ground-based optical telescopes and the Hubble Space Telescope for his observations.

Inder Vijay is focusing on glycoproteins, proteins that contain sugars attached to them. Glycoproteins participate in a myriad of cellular functions that are fundamental to biological recognition.

According to Vijay, numerous pathologies such as malignancy, atherosclerosis and many genetic disorders including cystic fibrosis show deranged glycoprotein metabolism. He is using a rodent mammary gland model to study the function and regulation of glycoprotein machinery. ■

—Fariss Samarrai

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 454-5335. Our electronic mail address is outlook@pres.umd.edu.



Advising and Security Issues Top Campus Senate Agenda

The Campus Senate will continue debating a report on admissions and advising and a policy statement on the costs of security at its next meeting, 3:30 p.m., Thursday, April 12, in the Reckord Armory. The report on admissions and advising received extensive discussion at the group's March 12 meeting. In its main recommendations, the report calls for the creation of a Division of Science and Letters that would serve as an administrative home for all undergraduates not yet enrolled in a degree-granting major and

seeks development of a new procedure for handling entrance into Limited Enrollment Programs. The Senate will also review comments from its Committee on Campus Affairs concerning a statement on campus security developed by the President's Select Committee on Freedom of Expression. The university currently is developing a policy on payment of security costs for campus events. ■

Exceptional Computer Science Major Wins Cosmos Club Award for Intellectual Promise

Jonathan Herstein, a 22-year-old Computer Science major, was named the winner of a competition sponsored by The Cosmos Club Foundation to select the graduating senior at a Washington area university who shows "the greatest potential for continuing superior intellectual contributions to the student's chosen field."

Herstein, a senior who will graduate this semester, will receive a \$3,000 award from the Foundation during a ceremony April 19 at the Cosmos Club in

Washington, D.C. He is one of five seniors nominated by their schools for the competition, each of whom was required to submit an essay dealing with a current issue or problem in his or her chosen field.

Herstein's 15-page essay dealt with issues involving the origin, limitations and possibilities for artificial intelligence. Herstein addressed current claims of what artificial intelligence may do in the future versus the actual limitations of the technology. He stated his belief that ar-

tificial intelligence cannot be achieved to the degree sometimes claimed, though several practical applications for the technology will result from research efforts in this area.

Herstein, a Bowie native who attended Eleanor Roosevelt High School in Greenbelt, will begin employment in September with the Washington, D.C. office of Andersen Consulting, a management information consulting firm. ■



Jonathan Herstein

Dorfman Reiterates Policy on Scheduling Final Examinations

J. Robert Dorfman, Vice President for Academic Affairs and Provost, in a memo to all faculty, has reiterated the campus policy regarding the scheduling of final examinations.

University policy states that a final exam will be given in every undergraduate course. All finals must be held on the examination days of the Official Final Examination Schedule.

Despite this clearly stated policy, Dorfman said that each semester his office gets complaints from students about violations of the policy.

He noted that the schedule is designed

to avoid conflicts among examinations that a student takes and that rescheduling often creates conflicts and problems not only for students but for other faculty.

Dorfman urged that every effort be made to adhere to the final exam policy.

"If it is absolutely necessary that you deviate from the published examination schedule, please assure yourself that you create no difficulties for any of your students and then obtain the necessary approval early in the semester so your students can be informed and can plan accordingly," he said. ■

A Capsule of Time at Business/Public Affairs Ceremony



A time capsule/cornerstone ceremony was held March 27 to celebrate the groundbreaking for the new Business/Public Affairs Building. Some of the items included in the time capsule are: a baseball autographed by Baltimore Orioles manager Frank Robinson; a new book, "Economic Consequences of Immigration" by business management professor Julian L. Simon; the Spring 1990 Sears catalog; the annual reports of several businesses; a basketball signed by the Washington Bullets; a piece of the Berlin Wall; and a large number of other items. The time capsule will be opened in the year 2040. More than 200 people attended the ceremony, including President William E. Kirwan, Business and Management Dean Rudolph P. Lamone, Public Affairs Dean Michael Nacht, State Comptroller Louis Goldstein and Prince George's County Executive and Associate Professor of Government and Politics Parris N. Glendening.

Greeks to Raise Money for SADD

By purchasing tickets to guess how many compact discs (CDs) can fit into a Pontiac Grand Am, students, faculty and staff will not only be eligible to win a CD player, the CDs or the car, but also will help fraternities and sororities here raise money for Students Against Driving Drunk (SADD).

The fundraiser, sponsored by the Interfraternity Council, Panhellenic Association, and Greeks Advocating the Mature Management of Alcohol (GAMMA), is one of several competitions that will take place during Greek Week, April 16-20.

SADD has donated two cars, the CDs and CD players for the competition. In return, each participating school will keep half of the money raised for SADD, with a \$10,000 grand prize for the school that raises the most money.

If the university Greeks win, the grand prize will go to the student activities fund and their half of the money raised will be given to charity.

"We see this an opportunity to help a good cause and improve our own reputation," says Kim Bevilacqua, a senior speech communications major and assistant overall chairman for Greek Week. "Maryland has one of the strongest Greek communities in the nation, so we expect to do very well."

SADD is a non-profit organization that was created in 1981 by Bob Anastas, a high school football coach, who lost three players to drunk driving accidents within one week.

According to Melanie Evans, a senior speech communications major and past president of GAMMA, a SADD starter kit will be sent to the College Park campus with the hope of starting a Maryland chapter of the national organization, which would make it one of the largest chapters in the country.

For more information about the fundraiser, Greek Week or SADD, call 985-0001. ■

Langenberg Named System Chancellor

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Langenberg has served on numerous boards and commissions. Currently, he is president of the American Association for the Advancement of Science and chairman-elect of the executive committee of the National Association of State Universities and Land-Grant colleges.

Langenberg holds three degrees in physics: a bachelor's from Iowa State University (1953); a master's from the University of California, Los Angeles (1955); and a doctorate from the University of California, Berkeley (1959). He

spent a postdoctoral year at Oxford University.

Langenberg, 58, is a native of Devils Lake, North Dakota.

The appointment of Langenberg follows a national search which began last July. Rita Colwell, director of the University System's Maryland Biotechnology Institute, headed the nine-member search committee which included all constituencies of the academic community. A 21-member advisory committee, chaired by President William E. Kirwan, assisted the search committee. ■

Frank Named to Head Business Incubator

Richard B. Frank has been named manager of the campus-based Technology Advancement Program (TAP). The small business incubator offers space, support services and access to the extensive resources of the university for entrepreneurs and start-up companies engaged in the development of technically oriented products with commercial potential.

Frank brings more than 30 years of

experience in general management, marketing, manufacturing, and engineering in several segments of the medical imaging and health care equipment industry.

The TAP program has "graduated" nine companies and 19 others are currently participants.

Frank says he hopes to double the number of companies in the program over the next year. ■

Calendar

April 9 to 18



Distinguished Scholar-Teacher Joseph Sucher will speak on "The Joys of Physics: Romancing the Photon," Wednesday, April 11, 4 p.m., Art/Soc. Bldg.

9 MON

Architecture Exhibit, featuring Mark Simon, Centerbrook Architects, today through May 4, Architecture Gallery. Call x3427 for info.

Art Exhibition: "Contemporary Latin American Photographers," organized by Aperture Photography, through April 27, The Art Gallery, Art/Sociology Bldg. Call x2763 for info.

Photography Exhibit: "At Work in the Fields of the Bomb," created by research photographer Robert Del Tredici, today through April 26, Parents Association Gallery, Stamp Union. Call x4754 for info.

Art Department Minorities & Women Lecture: painter Mary Lovelace O'Neal will discuss her work, 12:30 p.m., Art/Sociology Bldg. Call x0344/5 for info.

Computer Science Colloquium: "Logic Programming Using Bilattices," Mel Fitting, CUNY, 4 p.m., 011 Classroom Bldg. Call x4244 for info.

Space Science Seminar: "A New Way to Make the Solar Corona Hot," Jack D. Scudder, GSFC, 4:30 p.m., 1113 Computer & Space Sciences Bldg. Call x3136 for info.

Guarneri String Quartet Open Rehearsal, 7 p.m., featuring Frank Bridge's String Quartet in E minor, Tawes Recital Hall. Call x6669 for info.

10 TUE

Registration Ends, for team horseshoes. Call x3124 for info.

Employee Benefits Orientation, 10 a.m., Multi 2202 Hornbake Library. Call x6312 for info.

Zoology Lecture: "Energetics of Lactation in the Evening Bat (*Nycticeius humeralis*)," Suzy Steele, noon, 1208 Zoo/Psych. Bldg. Call x3201 for info.

Hoff Theater Movie: "Apartment Zero" and "Drugstore Cowboy." Call x4987 for info.

11 WED

Human Relations Skills Development Workshop, "Negotiating and Building Good Working Relationships with Supervisors and Peers," 9 a.m.-noon, Prince George's Room, Stamp Union, \$25. Call x4707 for info.

Employee Development Seminar, "Office Management for Secretaries," 9 a.m.-4 p.m., today and tomorrow, 1152 A.V. Williams Bldg. Call x4811 for info.

Counseling Center Research & Development Seminar: "Financial Aid Issues for Students in the 1990s," Ulysses S. Glee, noon, 0106 Shoemaker Bldg. Call x2937 for info.

International Coffee Hour, 3-4:30 p.m., 0205 Jimenez Hall. Call x4925 for info.

Distinguished Scholar-Teacher Lecture: "The Joys of Physics: Romancing the Photon," Joseph Sucher, 4 p.m., Art/Soc. Bldg., reception to follow in Art/Soc. Atrium. Call x2530 for info.

Afro-American Studies and Public Affairs Lecture: "Race, Consciousness and Public Policy," Jerome Taylor, U. of Pittsburgh, 6:30-7:30 p.m., 1213 Art/Sociology Bldg., reception to follow. Call x5665 for info.



Faculty Jazz Concert, featuring Robert Gibson, bass, Dan Reynolds, piano, Bill Foster, guitar, and Michael Smith, drums, performing original compositions and jazz standards, 8 p.m., Tawes Recital Hall. Call x6669 for info.

12 THU

College of Education Vernon E. Anderson Lecture: "The Chelsea Experiment: Fad or Future," Diana Lam, superintendent of the Chelsea, Massachusetts Public School System, 1:30 p.m., Colony Ballroom, Stamp Union. Call x1442 for info.

Campus Senate Meeting, 3:30-6:30 p.m., 0126 Reckord Armory. Call x4549 for info.

Women's Lacrosse vs. Penn State, 3:30 p.m., Denton Field. Call x5854 for info.

Meteorology Seminar: "An Experimental Regional Forecast Model with Consistent and Enhanced Effective Space Resolution," M. F. Rabinowitz, Goddard Space Flight Center, 3:30 p.m., 2114 Computer & Space Sciences Bldg. Call x2708 for info.

CHPS Lecture: "Two Recent 'Solutions' to the Measurement Problem," Barry Loewer, Rutgers U., 4 p.m., 1117 F. S. Key Hall. Call x2850 for info.

Reliability Engineering Seminar: "The Human Factor in Complex High Reliability Systems," Thomas Ryan, Nuclear Regulatory Commission, 5:15-6:15 p.m., 2115 Chemical & Nuclear Engineering Bldg. Call x1941 for info.

University Theatre: "The School for Wives," by Moliere, translated into English by Richard Wilber, 8 p.m., Tawes Theatre, \$7 standard admission, \$5.50 seniors and students, production runs today-April 14. Call x2201 for info.

Greater Washington Solid State Physics Colloquium: "Quantum Coherence Effects in Small Disordered Conductors," B. L. Altshuler, M.I.T., 8:30 p.m., 1410 Physics Bldg. Call x3416 for info.

13 FRI

Systems Research Center Seminar: "Asymptotic Analysis of Structured Vector Quantization," David Neuhoff, U. of Michigan, Ann Arbor, 11 a.m., 1112 A. V. Williams Bldg. Call x5880 for info.

Linguistics Colloquium: "Constraints and Repair Strategies in Yidiny Foot Structure," Robert Kirchner, noon, 0109 Hornbake Library. Call x7002 for info.

Mental Health Lunch 'N Learn Conference: "Presentation and Treatment of Patients with Social Phobias," Manuel Tancer, NIMH, 1-2 p.m., 3100E Health Center. Call x4925 for info.

University Theatre: "The School for Wives," 8 p.m., see April 12 for details.

14 SAT

Women's Lacrosse vs. Rutgers, noon, Denton Field. Call x5854 for info.

Campus Senate to Meet Three Times in April

The Campus Senate will meet three times in April to address several important issues. On Thursday, April 12, the agenda includes reports on the costs of security and admissions and advising. To complete the agenda, an adjourned meeting is scheduled for Monday, April 23. John Burt, chair of the Ad Hoc Committee on Faculty Grievance, will report on faculty grievance procedures, and Paul Smith, chair of the Ad Hoc Committee on Appointment, Rank, and Tenure, will report on appointment, promotion, and tenure issues. All meetings are in 0126 Reckord Armory, 3:30-6:30 p.m. Call 454-4549 for more information.

Men's Lacrosse vs. Navy, 1 p.m., Byrd Stadium. Call x2121 for info.

University Theatre: "The School for Wives," 8 p.m., see April 12 for details.

15 SUN

Easter Sunday Services, Roman Catholic, 10 a.m., Hope Lutheran Church at Catholic Student Center; Episcopal & Anglican, 10 a.m., Chapel Lounge. Call x2348 for information on other Holy Week services.

Trombone Ensemble, 8 p.m., Tawes Recital Hall. Call x6669 for info.

16 MON

Career Development Center Job Fair, noon-4 p.m., Grand Ballroom, Stamp Union. Call x4582 for info.

Computer Science Center Lecture: title TBA, Glenn Ricart, 2:30 p.m., 1400 Marie Mount Hall. Call x2946 for info.

Science, Technology and Society Lecture: "Imagining the Future: An Historian's Perspective," Joseph Corn, Stanford U., 3:30 p.m., 2309 Art/Soc. Bldg. Call x8862 for info.

Campus Senate Meeting, 3:30-6:30 p.m., 0126 Reckord Armory. Call x4549 for info.

Computer Science Colloquium: "Aspects of Heuristic Search Algorithms for Networks and/or Graphs," A. Mahanti, 4 p.m., 011 Classroom Bldg. Call x4244 for info.

Space Science Seminar: "Electromagnetic Tornadoes in Space," Tom Chang, 4:30 p.m., 1113 Computer/Space Sciences Bldg. Call x0359 for info.

17 TUE

Graduate Research Interaction Day, featuring lectures and presentations by UMCP graduate students, 8:30 a.m.-5 p.m., Colony Ballroom, Stamp Union. Call x5491 or x5060 for info.

Employee Development Seminar, "Overview of Communication Services," 9 a.m.-noon, Maryland Room, Marie Mount Hall. Call x4811 for info.

Zoology Lecture: "The Influence of Ectoparasites on Starling Survival, and the Effectiveness of Green Plants as Natural Insecticides," Peter Fauth, noon, 1208 Zoo/Psych. Bldg. Call x3201 for info.

Systems Research Center Seminar: "Modelling of Robustness Problems: The Tree Structured Decomposition of Polynomials," Juergen Ackermann, UC-Irvine, 3 p.m., 1112 A. V. Williams Bldg. Call x5880 for info.



Distinguished Scholar-Teacher Susan Handelman will speak on "Love Play, Laughter, and Language: How the Rabbis Reread the Bible," Wednesday, April 18, 4 p.m., Art/Soc. Bldg.

Hoff Theater Movie: "Casualties of War." Call x4987 for info.

18 WED

Employee Development Seminar, "Effective Writing," 9 a.m.-4 p.m., 1143 Stamp Union, fee TBA. Call x4811 for info.

Counseling Center Research & Development Meeting: "The Black Middle Class Family," Bartholomew L. Landry, noon, 0106 Shoemaker Bldg. Call x2937 for info.

International Coffee Hour, 3-4:30 p.m., 0205 Jimenez Hall. Call x4925 for info.

Writers Here and Now Reading, featuring novelist, short story writer and essayist Peter Matthiessen reading from his works, 3:30 p.m., place TBA. Call x2511 for info.

CRABS Colloquium: "Mrs. Parliament and her Monstrous Child," Is it Literature or History? Lois Potter, U. of Leicester, England, 3:30 p.m., 1102C F.S. Key Hall. Call x2740 for info.

Afro-American Studies and Public Affairs Lecture: "Marriage and Family in the African-American Community: Policy Issues," Belinda Tucker, UCLA, 3:45 p.m., 0102 F. S. Key Hall, reception to follow. Call x5665 for info.

Distinguished Scholar-Teacher Lecture: "Love Play, Laughter, and Language: How the Rabbis Reread the Bible," Susan Handelman, 4 p.m., Art/Soc. Bldg., reception to follow in Art/Soc. Atrium. Call x2530 for info.

Space Science Seminar: title TBA, Roald Z. Sagdeev, Institute of Space Physics, Moscow, 4 p.m., 1410 Physics Bldg. Call x3136 for info.

Hoff Theater Movie: "Casualties of War." Call x4987 for info.

* Admission charge for this event. All others are free.

Calendar information may be sent to John Fritz, 2101 Turner Laboratory or (via electronic mail) to jlfritz@pres.umd.edu.

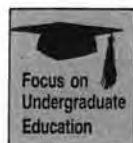
What's the Maryland Chorus Up To This Spring?

Plenty, judging from their recently announced concert schedule that lists three performances in Maryland before their summer tour of East Germany and Belgium. On April 20 at 8 p.m. they will sing a free concert (admission by ticket) of German and American choral music in Baltimore's Westminster Hall. The next concert on May 13 at 7 p.m. in Rockville's Strathmore Hall will be by the chorus' Chamber Singers, who will perform music of Mozart,

Brahms, Bernstein and Randall Thompson (tickets \$12; \$10 students and seniors). Finally, the entire chorus will present a piano reading of Mendelssohn's oratorio, *Elijah*, on May 20 at 4 p.m. in Stamp Union's Grand Ballroom. Featuring faculty and graduate student soloists, the concert will be a benefit for the summer tour; there will be no admission charge, but a donation of \$10 is requested. For information about any of these concerts call 454-4183.

ARTS AT MARYLAND

Tough Classes and Good Teaching Made a Happy English Major of Ragini Gupta



Ragini Gupta, a senior College Park, has been following every cliché in a good guidance counselor's handbook.

Cliché No. 1: A student intent on receiving an excellent liberal arts education seeks out good teachers, regardless of subject.

As a sophomore, Gupta took a class in Shakespeare literature with Donna Hamilton, associate professor of English. As an aspiring international lawyer, who has done volunteer work with Maryland Eighth District political campaigns since

high school, Gupta's interests tended more toward the study of government than literature—until she met Hamilton.

"I found myself learning and growing a great deal in her class. She was the best teacher I'd had," Guptasays.

The experience impressed Gupta enough that she continued sampling the English department curriculum. Her next venture was in associate professor Susan Leonardi's "Women in Literature" course.

Finding Leonardi's class as valuable as Hamilton's, Gupta concluded that there was a good thing going in the English department. She soon declared herself an

English major.

Cliché No. 2: The best teachers are the ones who challenge students the most.

Student definitions of what constitutes a "good" teacher vary enough to leave guidance counselors alternately smiling and groaning.

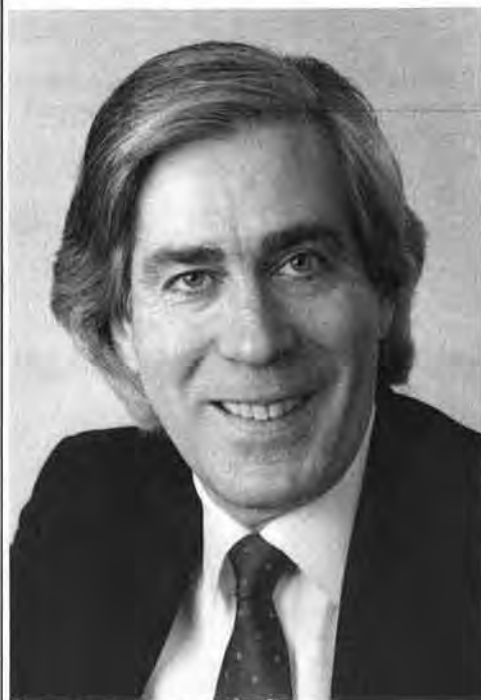
In Gupta's case, a guidance counselor couldn't have scripted a more heartening description of Hamilton's (and later Leonardi's) teaching attributes.

"(Hamilton) was the most demanding teacher I'd had to that point. In class, and in papers and exams, she questioned everything you said and made you ex-

plain your answers more deeply. It was very challenging intellectually. At first I was kind of intimidated, but as the semester went on, I found that my writing was getting better and that I was offering better insights in my work. It was the kind of experience I was looking for at the university."

Satisfied with her experience at College Park, and appreciative of professors such as Hamilton and Leonardi, Gupta plans to continue her academic career when she graduates in December. She wants to go law school and pursue a career in international law. ■

Theatre Alumnus Establishes Fund for Creation of Visiting Professorship



John Charles Ford

John Charles Ford, a 1964 graduate of Speech and Dramatic Art, has established the John Charles Ford Fund in order to create a visiting professorship in the Department of Theatre and an undergraduate scholarship for a university theatre student.

"The University of Maryland and especially my involvement with the University Theatre prepared me more for my current career than any other single life event. I will always be grateful to the department, its faculty and my fellow students for providing me such a well-rounded and practical education. This gift is a way to say thank you," says Ford, owner of John C. Ford Associates, a New York-based international consulting firm specializing in management development and organizational communications.

As an undergraduate at College Park, Ford enjoyed a busy career in extracurricular activities. He served as a member of the Student Government Association's Cultural Committee, contributed frequently to the *Diamondback*,

toured Central America and the Caribbean with the Flying Follies and participated in University Theatre, the Men's Glee Club, the Modern Dance Club and campus radio station. A member of Omicron Delta Kappa and Phi Delta Theta, Ford also made the Dean's List at College Park.

Ford has had a varied and successful business career. He has held positions with Ruder & Finn Inc., the American Stock Exchange, Merrill Lynch & Company, CBS, Inc., and Travel Network Corporation. After serving as director of human resources for Home Box Office, Inc., 1981-84, he established John C. Ford Associates.

Ford has served on the board of trustees and governors of the National Academy of Television Arts and Sciences and as past president, Financial Industry Training Association. He is currently on the board of advisers of the Cable and Corporate Communications Program Manhattan Community College, City University of New York, the board of overseers of Emerson College, the development council of Neumann College and the advisory committee of the American Society of Training and Development. At the University of Maryland, he is a member of the Chancellor's Advisory Council and the Executive Committee and President's Circle of the President's Club.

"John Ford's generous nature and willingness to think of others was evident from the first day of his undergraduate career at Maryland. And, of course, nothing has changed," says Roger Meersman, chair of the Department of Theatre. "Several years ago he delighted us with a major gift in support of equipment and furnishings for the Pugliese Theatre. Now his thoughtfulness will provide wonderful benefits for generations of future undergraduates who will follow in his footsteps. His very tangible endorsement of our program is a great honor for us all."

Because Ford's gift is in the form of a bequest, the professorship and scholarship will not be fully endowed in the near future. ■

Faculty Jazz Concert Will Feature Composer and Bassist Robert Gibson

On Wednesday April 11 at 8 p.m. in Tawes Recital Hall, jazz bassist Robert Gibson will make one of his rare College Park concert appearances.

Joining him will be pianist Dan Reynolds, guitarist Bill Foster and drummer Michael Smith in a program of original compositions and jazz standards. Reynolds and Foster are part of Tim Eyerman's group, "East Coast Offering," and Smith is well-known in the Washington area, with many recordings to his credit.

Gibson's concert appearances at College Park are rare because he teaches theory and composition in the music department rather than being part of the performing faculty. However, he feels strongly that performing is essential to the teaching of jazz and requires some regular involvement with an audience.

The April 11 concert will feature Gibson as both performer and composer, introducing an as-yet-untitled piece, which he says was inspired by African storytelling traditions. In his new composition, a programmed electronic sequencer provides a background, and the improvised bass solo "tells the story."

Other music on the program will be a jazz-blues work by Reynolds, a College Park graduate in piano, and compositions by Miles Davis, Keith Jarrett, and keyboardist Don Grolnick.

Gibson says his own composing has been influenced by the late pianist Bill Evans and the New York-based Bill Frisell. He prefers small group playing in a comfortable setting. "Jazz really works best in a club," he says. "I intend to keep the April 11 concert as informal as is possible in a concert hall."

While teaching and composing take up most of his professional time, Gibson still free-lances occasionally. He has played jazz with an impressive list of musicians: Mose Allison, Tom Harrell, Bob Berg, jazz singer Joe Williams, Eddie Harris, and guitarist Barney Kessell.

Winner of many awards in composition, Gibson has written—in addition to jazz—orchestral and chamber music.



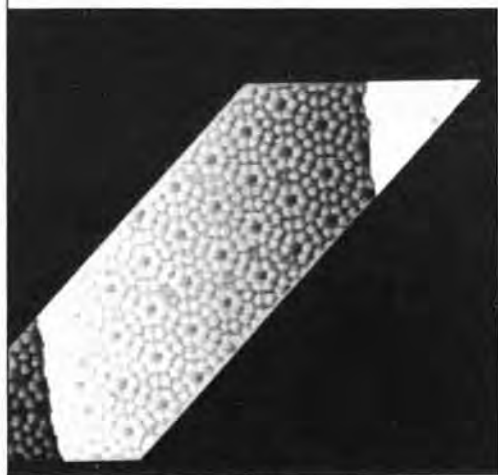
Robert Gibson

The New Scholarship on Women: Making a Difference

The Office of the President and the Women's Study Program are sponsoring a forum, "Incorporating the New Scholarship on Women: The Difference It Makes," on Thursday, April 19 from 3:30 to 5 p.m. in Room 3215 Art/Sociology. Ronald O'Leary (Theatre) Sheri Parks, (Radio, Television and Film) and Robert Scarfo (Horticulture), all of whom participated in the 1989 summer curriculum transformation institute, will make presentations about changes they have made in the courses they teach as a result of their summer work. Special Assistant to the President Betty Schmitz will introduce the forum. Call 454-4702 for information.

CLOSE UP

Physicist Scratches the Surface



Atoms on a silicon surface.

Your car begins to rust and you combat it by patching it, repainting it, watching the rust return, then finally buying a new car. The new car will eventually rust out too.

The problem, you know, is oxidation—oxygen molecules from the air reacting with atoms on the surface of metal. But is anyone doing anything about it? Someone is.

Ellen D. Williams, associate professor of physics with the Surface Physics

Group, is studying surface atoms and their reaction to oxygen and heat. Her research, "aimed at determining how and why surface atoms are different from their neighbors inside a solid," has application to corrosion, lubricants, adhesion, catalysis and to semiconductor-based electronics. The work could lead to better and smaller transistors and improvements in solid state electronics such as computers.

"From a physicist's point of view, surface properties represent an intellectual and experimental challenge that is difficult to resist," Williams says.

Because surfaces are two dimensional, rather than three dimensional like solids, there are few atoms at the surface of a mass and they are, therefore, difficult to measure and analyze. Research in the area of surface physics has lagged behind the understanding of bulk properties.

According to Williams, special conditions are required to conduct surface experiments. "Surfaces, especially metal surfaces, react instantly with molecules in the air, so that experiments on clean surfaces must be carried out in a vacuum," she says.

According to Williams, improved high vacuum technology has greatly advanced

progress in experimental surface physics. The Surface Physics Group uses a special "ultra-high vacuum" which allows hours of measurements without interaction of surface atoms with other atoms.

"An ultimate goal of our research is to control the properties of surfaces by intentionally changing their structure and composition," Williams says. Experiments involve modification of surfaces by depositing different types of atoms onto the surface and by cutting surfaces at different angles to expose their arrangements.

"Sometimes the surface atoms don't cooperate with such attempts to control their structure," Williams says. These atoms often rearrange themselves to an undesirable configuration, similar to the rearrangements that occur during oxidation and heating of clean surfaces. "The forces driving the change remain poorly understood," Williams says.

To make measurements of surface atoms, surface sensitive electron probes

are used. The surface physics group is currently in the process of designing and constructing an instrument that will have the capability of observing individual surface atoms. It will be one of only about 20 in the world.

"The instrument will be used to study the first steps in reaction of chemicals such as oxygen with the surface," Williams says.

Because of the quality of her research, Williams was recently awarded the 1990 Maria Goeppert-Mayer Award by the American Physical Society. She presented her research last month at a meeting of the APS in Anaheim, Calif., and in a physics department colloquium March 27.

—Fariss Samarrai



Ellen D. Williams

Women in Science: Pushing the Gender Barrier

When physicist Ellen D. Williams became interested in science as a little girl, there were few women scientists in the field, few role-models in the schools, and little encouragement for those women who were working as scientists. Today, there still are few women scientists and science teachers, particularly in the physical sciences.

But women such as Williams are now providing the example girls and young women need to see a future for themselves in science. "I see myself primarily as a role-model when it comes to encouraging female students to enter science and technology," Williams says.

Still, women are largely under-represented in the sciences, and though improvements are continuing, many scientists say change will not occur unless a continued drive is made in the direction of attracting more women to science and technology.

"There is sometimes a tendency for scientists and administrators to say enough work has been done toward recruiting women into science and that time will take care of the numbers problem. But we need to keep pushing these improvements through or they won't happen," says Betty Schmitz, assistant to the president.

Schmitz believes, however, that most science departments at College Park are making hard-working, honest attempts to



A scientist as seen by a sixth grader.

increase female enrollment and participation in their programs.

"It's going to take a decade to see really big increases in the number of female science majors, but it will happen because people are concerned and interested in improving the problem," Schmitz says. "Engineering is an example

where female majors have increased from four to 17 percent in recent years."

But because the number of women entering and remaining in science programs is far less than in other majors, much work still needs to be done to encourage women to study science, Schmitz says.

"The problem begins at a very early age," says Margaret A. Palmer, assistant professor of zoology. "There is often an image of science as not only a male-dominated field, but also as a male enterprise because it is seen as very competitive. Studies have shown that young girls and women still have an image of scientists as frizzy-haired males alone in a lab."

But Palmer says that as the number of women in science increases, the image of scientists is slowly changing for girls and young women. "Females are beginning to see science as an interesting field full of interesting people and they are beginning to see themselves as future scientists," she says.

One program Palmer is involved with brings female students to campus the summer before their freshman year to see what scientists actually do. "We want them to know what science is really about before they begin classes here," Palmer says. "Sometimes all they need is encouragement and a chance to touch scientific equipment for them to see themselves in the role of scientist."

Still, Palmer says there is still much room for improvement on campus toward recruiting and retaining women science majors. "We still need more mentors," she says. "The lab climate is still quite chilly for women in some areas. Studies have shown that women grad students tend to suffer from lower self-esteem than male students. We also need to start focusing on where we are losing women science students. Is it in chemistry? Physics? Biology? We need more accountability. We don't actually know how many women actually come into science and how many we lose. I think we should begin rewarding departments that are doing well. We need continued top-down pressure, from deans to department heads to faculty."

Like Schmitz, however, Palmer is also encouraged by the progress being made on this campus toward promoting the idea of women in science.

"I think the curriculum transformation project is helping to encourage women to enter science and I think the climate for women in science is becoming more hospitable. There are also better support systems for women faculty and students in science," she says.

"In the long run, these things will make a difference. The key is that we have to keep pushing for improvements because they won't happen automatically."

—Fariss Samarrai

Career Assistant Program Seeks Staff Aides

The Career Development Center requests faculty and staff assistance in nominating undergraduate students for career assistant positions for the 1990-91 academic year. Career assistants work approximately ten hours a week in the Career Resource Center helping students, alumni and other individuals in all phases of the career planning process. Qualifications include: strong communications and organizations skills, dependability and responsibility, a 2.5

G.P.A. for the most recently completed semester, and a desire to help others. Names, addresses, and telephone numbers of nominees should be sent to: Linda J. LeNoir, Rm 3121, Hornbake Library—South Wing. Deadline for applications is Monday, April 16. The center will hold an open house Wednesday, April 4 from noon to 4:30 p.m. for students interested in learning more about the staff aides positions. For more information, call 454-2813.

COLLEGE PARK PEOPLE

Women's Gym Team Scores Academically

If the women's gymnastics team were scored for performance on an academic balance beam, their judges would give them a perfect ten.

The team recently was awarded the 1989 President's Award for Academic Excellence by the National Association of Collegiate Gymnastics Coaches (NACGC). This is the first time the association has issued an academic award.

Five of the women on the Maryland team were chosen as "academic all-Americans" for having the highest combined grade-point-average in the sport in the NCAA.

The women are: Bonnie Bernstein, a 3.56 kinesiology major; Yvonne Raner, a 3.75 senior special education major; Victoria Volentine, a recently graduated 3.6 business major; Dana Walton, a 3.5 criminology major; and Stephanie Young, a recently graduated 3.65 psychology major. All averages are for the 1989 season.

According to Robert S. Nelligan, women's gymnastics coach, NACGC invited teams to compete for the President's Award last year by submitting the average g.p.a.s of their starting lineups. Maryland's average was 3.612.

"Our kids have a great work ethic," says Nelligan. "When we go on the road, they carry along as much weight in books as clothes."

Nelligan says gymnastics athletes tend to be better students than the athletes of many other sports because they have long experience with discipline and motivation.

"Because of the time demands of this sport, these kids have been balancing school and training for about 12 years

by the time they arrive here as freshmen," he says. "They already know how to budget their time."

Nelligan says the women on his team all have career goals and they push each other to excel academically as well as athletically.

"All of our women realize that they will eventually be in the job market and they are preparing for that. They cheer each other on and compete with each other for the best possible grades. None of them wants to be the one who gets a C in a course."

Nelligan also requires his freshmen to attend study hall until they attain a 3.0 g.p.a. "Most of the women study so hard, they don't need to spend more than their first semester in study hall. They prove that they can make it independently," he says. "My feeling is that if you want youngsters to be responsible, then give them the chance to do so. Encourage them to work toward goals and they'll take the challenge and succeed beautifully."

The coaches also give the women time off from practice when they feel they need extra study time.

According to Nelligan, the team is able to recruit academically talented athletes partly because of the university's emphasis on improved undergraduate education. Many athletes come to the school with higher g.p.a.s than in the past.

"A lot of youngsters are looking not only at how good the coaches and athletic facilities are, but also what they can gain academically from a school. They want a degree that matters and many are finding that Maryland provides one of the strongest academic gymnastics programs on the East Coast," he says. ■

—Fariss Samarra



Dana Walton, one of five academic all-Americans on the women's gymnastics team.

Tax Collectors Take Time Out As Artificial Intelligence Students

Three employees of the Internal Revenue Service are at College Park this year as special students in the Department of Computer Science and its AI research group. The university joins several other schools, including such prestigious private institutions as Carnegie Mellon University, in offering training programs for IRS workers.

The three students are Brian Kramer, Kaye Wolman and Stephen Lucas. Kramer holds a degree in business and finance from UMCP and for 15 years was with the IRS criminal investigation division. Wolman earned her B.S. in technical management from UMCP in 1988. She has worked for both the Department of Energy and the IRS as a computer programmer. Lucas has degrees in marine biology and political analysis and is a senior operations research analyst with the agency.

In addition to taking classes, the students have a campus office and access to departmental computing facilities and the campus environment, notes department chair Sathish Tripathi.

"They are very motivated students," he says. The training program, which does not lead to a degree, is full-time and lasts two years. ■

—Tom Ottwell

The three employees of the IRS Artificial Intelligence Laboratory have been

Well Deserved Recognition



Campus finance and business service units recognized nine outstanding employees at the annual awards ceremony March 14. From left to right: Joanne Smith, Procurement & Supply, Millie Heinbaugh, Comptroller's Office, Jonathan Golaner, Comptroller's Office, John English, Comptroller's Office, Tressia McGuire, Bursar's Office, Angela Ryan, Bursar's Office, Muriel Redington, Procurement & Supply, Larry Walton, Procurement & Supply. Not pictured: Gwen Streicher, Bursar's Office.

AL DANEGER

Honors Convocation Scheduled for April 17

On Tuesday, April 17 at 7:30 p.m. in the auditorium of the Center of Adult Education, 702 undergraduate students will be recognized at the annual Honors Convocation for having achieved a GPA of 3.75 or better after having completed 30 or more credits at the university. Mady Segal, associate professor of sociology, will be the keynote speaker. President William Kirwan and Vice President and Provost Robert Dorfman will make brief remarks, and the University Chorale, conducted by Roger Folstrom, will perform. Light refreshments will be served following the program. Everyone is invited; call 454-2530 for information.

Graduate Research Interaction Day Set for April 17

The Graduate Student Association will be sponsoring its second annual Graduate Research Interaction Day (GRID) on Tuesday, April 17, in the Stamp Union. GRID gives graduate students the opportunity to present their research to a general audience of other graduate students and faculty members across campus. Seven concurrent lecture sessions and ongoing poster exhibits will take place 9 a.m.-12:30 p.m. and 1:30-5 p.m. A list of speakers, titles, times, and room numbers will be available in the Colony Ballroom beginning at 8:30 a.m. Call 454-5491 or 454-5061 for more information.

Kacser Recalls Bergmann's Pioneering Contributions

continued from page 1

but possibly also prior/post.) Barbara Bergmann had persistently performed her own statistical studies of possible salary inequity and brought them to the (originally) reluctant attention of the then Administration, well before the Ad Hoc Committee was set up, as well as during and perhaps after it. There were many years of her "gadfly" persistence (I choose that word deliberately); and also the work and pressures of others who also merit recognition.

Changes in societal views, and in 1975 a new more responsive and sympathetic Chancellor (Gluckstern), led to real progress. Dr. Gluckstern ordered his own initial methodological studies, and crucially made a commitment to follow through with actual salary adjustment corrections when indicated and investigated. The administratively-ordered actual statistical studies started as early as 1977/78, and were themselves performed by Marilyn Brown. They culminated in 1980/81 with

the institutionalized Faculty Study Reviews and salary adjustments.

As the Citation says, these reviews were created by Marilyn Brown, with detailed care and concern. They follow in the admittedly cruder footsteps of Barbara Bergmann's pioneering statistics, as well as Marilyn Brown's initial explorations for Dr. Gluckstern.

We must remember all the pioneers, who often had to be a noisy nuisance.

They deserve honor, and a place in the history, as much as do the later implementers. Also, institutional history should be preserved, as history *and* to guide us in the future. Gadflies of the world unite. You have nothing to lose but your chains.

—Claude Kacser

Winter Move Planned for McKeldin Addition

continued from page 1

move would cost about \$100,000 less than a phased move, she says.

An estimated 1.2 million volumes of material will be relocated during the move, scheduled to take place between the end of the fall 1990 semester and the beginning of the spring 1991 semester. Most volumes would go into the McKeldin addition, although government documents and Special Collections would be housed in the 24-hour room at Hornbake Library.

In the move, Hornbake Library would lose 1,500 of its 3,200 seats, Williams says. About 400 seats will be available in the McKeldin addition, down from 892 currently available in McKeldin.

Officials are exploring the possibility of creating 24-hour seating in another building on campus to help compensate for the loss.

Library users will also find a space-saving innovation in the McKeldin addition—compact shelving.

With compact shelving, several shelves are pressed together with just one aisle among them. A mechanical system allows users to move the shelves back and forth in order to gain access to desired volumes.

As the libraries' collections increase, more compact shelving will be used in the system, Harrar says. ■

—Brian Busek

Robert William Janes (1916-1990)

The Sociology Department at the University of Maryland lost a valued friend and elder statesman on February 19 when Professor Emeritus Robert William Janes died in Washington, D.C., at the age of 73. He had bravely waged a five-year battle with cancer....

Bob came to College Park as a professor of sociology in 1964, and immediately assumed a central role in the intellectual life of the Department of Sociology. He became chairman of the Graduate Studies Committee in 1965, a position he held for four years. Between 1964 and 1980, a plurality of Maryland's doctoral students elected to write their dissertations under his direction....

His family and the sociology department at College Park have established the Robert W. Janes Commemorative Award—a book to be presented annually to an outstanding graduate student—in his honor, to celebrate his commitment to graduate education in sociology and his love of ideas. Friends may contribute to the award fund by sending checks to the University of Maryland Foundation, c/o Debbie Griffith, Department of Sociology, University of Maryland, College Park, MD 20742. ■

Excerpted from a memorial written for the American Sociological Association by David R. Segal, professor of Sociology

Haber Memorialized at Cosmos Club

A memorial service was held March 31 for Francis C. Haber, professor emeritus of history, at the Cosmos Club in Washington, D.C. Haber, who served as chair of the department 1968-71, died March 11.

During his tenure as chair, Haber was

noted for his commitment to programs in Afro-American and women's studies. In addition, he was a founding member and long-time supporter of the Committee on the History and Philosophy of Science.

Japanese Tea Ceremony



Mi-Ai Gaber

Masako Koyama (left), an intercultural volunteer, and Midori Matsuyama Brameld (right), associate director of the university's National Intercultural Leadership Training Institute, demonstrate elements of a Japanese tea ceremony for an alumnus at a recent reception for College of Education Alumni at the Japanese Embassy.

Isidore Adler, Professor of Chemistry, Dies

Isidore Adler, professor emeritus in the Department of Chemistry and Biochemistry, died of cancer March 26 at Holy Cross Hospital in Silver Spring after a long illness. Funeral services were held March 28.

Adler, 73, was head of the geochemistry division. He was co-director of the project, "The World of Chemistry," a 26-part national public and cable television series designed to create an appreciation of chemistry. The programs, to be aired this fall, will also be

used by colleges and universities to teach chemistry.

Some of Adler's research projects included the design of lunar data analysis experiments for the Apollo 15 and Apollo 16 missions. He also trained astronauts in the use of the experiments and was among the first scientists to map the chemical composition of the back of the moon.

Memorial contributions may be made to the University of Maryland Hillel House. ■